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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/651,159	08/30/2000	Ole Bentz	MTI-31072	2115
31870	7590	08/04/2004	EXAMINER	
WHYTE HIRSCHBOECK DUDEK S.C. 555 EAST WELLS STREET SUITE 1900 MILWAUKEE, WI 53202			DO, CHAT C	
			ART UNIT	PAPER NUMBER
			2124	

DATE MAILED: 08/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Advisory Action</b>	Application No.	Applicant(s)
	09/651,159	BENTZ, OLE
	Examiner Chat C. Do	Art Unit 2124

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 14 May 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY [check either a) or b)]**

- a)  The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1.  A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2.  The proposed amendment(s) will not be entered because:
  - (a)  they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b)  they raise the issue of new matter (see Note below);
  - (c)  they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d)  they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_

3.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4.  Newly proposed or amended claim(s) 4,5,7-12,16,17 and 20 would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5.  The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See below.
6.  The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7.  For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

- Claim(s) allowed: 4,5,7-12,16,17 and 20.
- Claim(s) objected to: \_\_\_\_\_.
- Claim(s) rejected: 1-3,6,13-15,18 and 19.
- Claim(s) withdrawn from consideration: \_\_\_\_\_.
- 8.  The drawing correction filed on \_\_\_\_\_ is a) approved or b) disapproved by the Examiner.
- 9.  Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_.
- 10.  Other: \_\_\_\_\_

Part 5(c): the admitted prior art discloses in Figure 1 a method of detecting overflow in a clamping circuit comprising the steps of: inputting a first operand having a first fixed-point format (2) into the clamping circuit (the rest of circuit); inputting a second operand (4) having a second fixed-point format into the clamping circuit (the rest of circuit); determining an overflow output (10) based upon the first and second fixed-point format and predicting whether an arithmetic operation of the first operand with the second operand will yield a result that exceeds the overflow output (output of 10); and performing at least partially the arithmetic operation of the first and second operands (6). The admitted prior art does not disclose the determining and predicting step occurs independent from and substantially in parallel with the performing step. However, Suzuki discloses in Figure 2 an overflow detector that is capable of determining an overflow output independent from and substantially in parallel with the performing step (abstract). Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention is made to add the overflow detector that is capable of determining an overflow output independent from and substantially in parallel with the performing step as seen in Suzuki's invention into the admitted prior art's Figure 1 because it would enable to detect the overflow earlier than an arithmetic (abstract last 3 lines) output which improves the system performance.



JOHN CHAVIS  
PATENT EXAMINER  
ART UNIT 2124

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